

# Workings of Mystery Yarn

berts Rinehart in Ladies' Journal, May, '31. I asked about the detective mechanics of his con- had written at last because aware that I had that this formula was extreme. The difficul- were many of them, the original plot, and adents and clues which plot and are not merely reader. For the detec- a rather rigid code of fief among them, like hieves, is the one that not produce a false

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# Stores of Food Found in Sea

## Myriads of Minute Organisms Both Animal and Vegetable

Plankton is the term used to embrace the teeming myriads of minute organisms, both animal and vegetable, which abound in varying degrees in or near the surface of the sea, writes E. G. Boulenger in this article in the London Daily Telegraph.

It has recently been realized that the nature and abundance of this life has an important bearing upon the movement of food fishes, especially the herring.

With the co-operation of survey ships, trawlers, and merchant vessels, efforts are now being made to study these plankton areas exhaustively. A remarkable contrivance, now undergoing special tests in the North Sea, can collect a complete record of the plankton met with in the course of a 400-mile journey. The appliance resembles a large kodak film, the two spools being towed behind the ship. A film of gauze slowly unwinds off one spool and packs itself on the other, which is continuously exposed.

The exposed portion is automatically treated with formalin as it revolves upon the drum. Back in the laboratory an investigator has only to pass the used negative of a "continuous plankton recorder," as the apparatus is called, beneath his microscope to appreciate the wealth or poverty of infant herring food in any given area at a particular time of the year.

Schooling of Fish The recently issued Annual Report of the Marine Biological Association contains an account of the experiments made by Mr. G. M. Spooner on the "schooling" behavior of fish. The species chosen for observation was the sea bass. It was desired to ascertain the behavior of individual fishes, and experiments with mirrors proved that members of a school react to their own reflections, slight but apparently the main, if not the sole, factor which keeps a school together.

A long series of midnight observations made at the Zoo aquarium elucidated the fact that fish which normally split up during the period of rest, keeping close to the tank floor, every fish separated from its neighbors and facing a different point of the compass. A brilliant light cast suddenly upon the fish at once united the school, which "fell in" with almost military promptitude.

Bird's Curiosity Naturalists are constantly deploring the devastating effect of progress as applied to the wild, and regard the machine as the greatest enemy of Nature. The animals themselves sometimes take a different view of the situation, as was amusingly demonstrated recently on two islands, Santa Rosa and Don Martin, off the coast of Peru. These islands have for centuries been the chosen resorts of a species of cormorant, whose vast deposits of guano caused it to be rigorously protected.

Lately, however, caterpillar tractors were introduced to clear the guano, and the birds, so far from being scared, evinced such curiosity that work was rendered almost impossible and the "time saving" machine was forced to move at a snail's pace in the midst of a triumphant procession.

Mice Under Light Many people we know turn day in to night, and vice versa, either for pleasure or work. Dr. M. S. Johnson, of the University of Minnesota, has discovered that if a mouse is kept in the dark by day and in the light by night it reverses the natural rhythm of its life. The mice in the experiments were put in cages hung on rubber bands and so connected with the recording apparatus that any activity on the "mouse front" was at once set down. By turning on the light at night the mice had sixteen hours' wakefulness, and slept for eight hours during the day time. As the result of prolonged training, the mice, when they returned to normal conditions, kept to their new way of life.

World League to Assist Bolivia's Health Service Geneva.—Public Health Commissioner Bilbao of Bolivia has completed arrangements for the League of Nations' collaboration in the reorganization of Bolivia's public health service.

While Bolivia's general plan of public health reorganization covers six different points, it is only on three that the league has been asked to lend its co-operation of its technical services.

These are: First, the training abroad of hygienists designed to form the nucleus of a new public health service; second, a study of the distribution of diseases in Bolivian tropical and sub-tropical regions; third, the participation of the league's malaria commission in the study of Bolivia's resources as regards cinchona.

The Bolivian plan for the reorganization of its health service includes three other points—the creation of a specialized health service, the reorganization of the Bolivian hospitals and the increase of their resources and number of doctors, and creation of a service of epidemiological and health information.

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## Many Diamonds Used In Industrial Ways

Diamonds are almost invariably classified as a luxury, but almost never as an important factor in industry. Yet, approximately, 15 to 20 per cent. of the value of diamonds mined yearly are of industrial use.

They are at times called "industrial diamonds," and so named because of some flaw of color or constitution that prevented their being cut and polished for decorative use.

Some of these stones are used as cutters and polishers of more precious diamonds. The "industrial diamond" is changed to powder form and mixed with olive oil. It is then smeared upon a soft iron disc revolving at 2,500 revolutions per minute. The diamond is cut and polished in "aid and weighted down" and the wearing action of the diamond dust eventually creates a gleaming facet upon it.

By means of diamond draw-plates or dies, all types of metal, including the tungsten filament of the electric lamp, can be drawn finer than human hair. Mining engineers employ the diamond, drill. This is a circular tube, steel bit or crown, set with diamonds. Such drills are of great service in cutting out a clean core which can be brought to the surface for determination of the nature of the strata. These drills can be forced to a depth of more than 4,000 feet and it is said there is no rock or stratum which the diamond has failed to penetrate.

Young Wife: "It's too bad—you bring me to a restaurant and now you read the newspaper." Husband: "Pardon me, darling! Walter, another newspaper."

"I am more interested in increasing people's income than in worrying over their expenditures."—Herbert Hoover.

## "Knights' Meaford Flooring

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## AEROXON FLY CATCHER Gets the fly every time

## CLIMAX BUG KILLER

NO WATER TO CARRY. STICKS LIKE GLUE TO LEAF. REQUIRES FEWER APPLICATIONS. STIMULATES THE GROWTH, INCREASES THE YIELD. A DEALER IN EVERY PLACE. GENERAL CALCIUM CORP., LTD., TORONTO

## Owl Laufs

The best of women make mistakes, but it's too bad that we husbands should be required to eat them. A statistician says that we have enough coal to last 7,000 years. What does he mean by "we"? A great many animals laugh, says a scientist; and, of course, a great many people give them good cause to. Conscience gets a lot of credit for good morals that belongs to the fear of getting caught. We are learning to have faith in machinery because it has furnished a foundation for human progress. The man who thinks and is silent usually has more friends than the one who speaks and thinks afterward.

Looker On (to man who had just rescued a drowning girl)—"It was grand of you to drive from that height, fully clothed, to effect such a magnificent rescue."

The Hero (snarling madly)—"That's all very well, but what I want to know is who pushed me in?"

Harrison—"I hear your daughter Edith married a struggling young man." Thompson—"Well, he did struggle, but he couldn't get away."

Here's some riddles. We simply got to get them off our system. Are you a riddle fan? 1. Why did the hen go across the road. 2. What goes all day and comes in at night and sits with its tongue out? 3. Why did the man put his garage on the other side of the road from his house? 4. When was milk the highest? 5. Who wore the biggest hat in the war? 6. Why did the cow go over the hill? Answers—1, To get on the other side; 2, Wagon; 3, To put his car in; 4, When the cow jumped over the moon; 5, The man that had the largest head; 6, Because she couldn't go under.

Wrong Label: "A spoonful of water contains 270,000 potential horsepower," says a scientist. That isn't water.

Claude—"I'm groping for words." Alma—"Well, you don't expect to find them around my neck, do you?"

"Well, at any rate," an old married man told the writer, "it is better to have loved and been hated than never to have been loved at all."

Summer is a time when people try to keep out of the sun when they wished they were able to afford last winter. Who remembers the old fashioned love songs that didn't sound like the wall of a lost soul? The devil isn't so smart; think of him trying Job's patience with bolts when he might have tried taxes. You can't always tell who is hurt the worst by who yells the loudest. A bob-tail bull in fly time is in no worse fix than a bald-headed man in the same time. It's queer, a little heat on the feet may cure a little cold in the head. Late hours end in early morning. The girl who uses a lot of lipstick often leaves a good impression when she kisses. Some hotels rate high and others have high rates. The last thing in the world a man wants is a manicure. Now is the time to buy good farms from pessimists. The easiest person for a man to fool is himself, and the hardest is his wife. The girl who elopes may be letting her emotions run away with her. The hottest days at the beach are the first tan days. Stolen kisses are the sweetest, but the other kind taste pretty good, too. A typical American is one who yearns to be rich without working, thin without dieting, and wise without studying.

Business has so far improved that it is now able to take nourishment.

Patent (angrily)—"The size of your bill makes my blood boil." Doctor (calmly)—"That will be \$20 more for sterilizing your system."

A man boasts that he raises a lot more flowers than his wife does, yet devotes less time to the job. He grows dandelions.

Dad—"When I was a little boy your age I didn't tell lies." His Son—"How old were you when you started, Dad?"

## The Little Old Woman

There was a little woman whose hands were worn and red, And long ago the beauty of her youthful days had fled, For she had suffered sorrow, and she had suffered pain, But after these had left her she learned to smile again, And out she'd come with dainties for the children in the street Till it seemed where'er she wandered there were young ones round her feet.

She hadn't any money; she was never gaily dressed; She had a shawl and bonnet which she called her Sunday best. Aid if you gave her something, in a little while you'd see Some other person strutting in that bit of finery, And she'd give this explanation if you asked the reason why: "I thought she ought to have it. She's so much worse off than I."

No one ever seemed to notice that her hands were coarse and red, That she wasn't good to look at no one ever heard it said, And the smartest of her neighbours who appeared to know it all Never spoke a word in censure of her bonnet or her shawl. So take this truth for granted: that a sweet and tender smile And a heart so brave and kindly never do go out of style. —Edgar A. Guest.

Airships London Morning Post: There is only one respect in which these cumbersome machines have so far proved superior to the aeroplane, and that is in the radius of flight. But this factor is of little importance for inter-imperial communications, since the aeroplane can overcome this disadvantage by means of relays. In no other respect has the airship shown the least promise of competing effectively with the heavier-than-air machine. The best policy for this country, therefore, is to sell the R-100 for what it will fetch, to scrap the rest of the equipment, and spend our money on more profitable departments of aeronautical research.

In discussing a question more reliance ought to be placed on the weight of authority.

"No operation is so insignificant that a man can refuse to give it less than his best."—Bruce Barton.

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ISSUE No. 24-'31

## "Dear Mother"

Just back from our honeymoon Now I'm a housewife myself, I agree with you that

## RED ROSE TEA "is GOOD tea"

2 CHOICE BLENDS—Red Label & Orange Pekoe

Strange Things A most interesting man to talk to is Mr. Bertram Thomas, who has just returned to London from a long tour of exploration in Arabia. "I've brought back an amount of things for the Natural History Museum at South Kensington," he said, "including a new butterfly, a new lizard, and several new grasshoppers. And I've seen natives baking live locusts in glowing ashes and then eating them, and oxen and camels being fed on sardines! I've seen fakirs sleeping on beds of spikes and others who hold their arms straight out till they become paralyzed—all as part of their daily religion. It's a queer world once you go exploring."—London "Tit-Bits."

A Little Circle Each one of us is bound to make the little circle in which he lives better and happier; each of us is bound to see that out of that small circle the widest good may flow; each of us may have fixed in his mind the thought that out of a single household may flow influences that shall stimulate the whole commonwealth and the whole civilized world.—Dean Stanley.

Virtuous Fear There is a virtuous fear which is the effect of faith; and there is a vicious fear, which is the product of doubt. The former leads to hope, as relying on God, in Whom we believe; the latter inclines to despair, as not relying on God, in Whom we do not believe. Persons of the one character fear to lose God; persons of the other character fear to find Him.—Pascal.

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for NEURALGIA A good application of Minard's, according to directions, just "hits the spot." You'll find that you get wonderful relief!

MINARD'S "KING OF PAIN" LINIMENT

FATHER GETS UP FIRST Tells How He Keeps the Family Fit "I have a family of six—four boys, two girls—ranging from 22 to 12 years of age, and a delicate wife, and four years ago it was owing to a sickly household that I took matters in my own hands. Their food were not relished, and to take medicine was like administering punishment. For four years now I have regularly used Kruschen Salts about four or five times a week, unknown to any of my family or wife to this day. I get up first always, and I put half a teaspoonful of Kruschen in the teapot or coffee-pot, and they all have their first cup therefrom. So what was a sickly household four years ago, I am glad to see now a healthy and robust family. "They are always ready for and clear up their meals. Always alert, quick and active, and never seem tired, all due to my secret way of using about half a teaspoonful of Kruschen Salts in the morning tea or coffee."—C. D. If only more parents were as careful about their children's internal cleanliness as about their external cleanliness, there would be fewer sick headaches, fewer sick appetites, fewer fits of the sulks and fewer sorrow faces. Kruschen keeps the system regular in its most important daily duty. Its gentle aperient action ensures proper activity of the liver and kidneys so that these organs of elimination can clean the inside of all clogging matter. Kruschen thus ensures a clear blood-stream, carrying health and vigour to the whole body and brain. Kruschen Salts is obtainable at all Drug Stores at 45c. and 75c. per bottle.

## Classified Advertising

BABY CHICKS—BARRED Leghorns, 10c each. Assorted, 5c. PULLETS six weeks old, 55c. Catalogues, A. H. Switzer, Granton, Ont.

REMNANTS—2 LBS. PRINTS 41c; 2 lbs. Silk, Velvet or Cretonne, 41c. Agents, dealers wanted. A. McCreery Co., Chatham, Ont.

Girls of Today Are Not Wild Winnipeg.—"Girls to-day are not wild—they are wonderful," Mrs. H. D. Warren Chief Commissioner of Girl Guides in Canada, told members of the Women's Canadian Club here.

"I hear many people say the modern girl is wild," said Mrs. Warren. "She is not. She is honest, and speaks her mind, openly and frankly, a thing that is charming and genuine. I think the girls to-day have in them the making of wonderful citizens."

An ounce of cheerfulness is worth a pound of sadness to serve God with.—Thomas Fuller.

"It is our dreams that the body makes itself aware of our mind"—Dr. Carl Jung.

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